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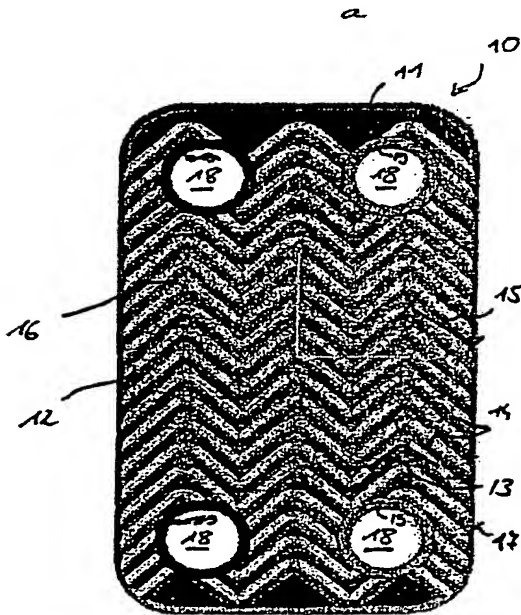
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As printed

(54) Title: HEAT EXCHANGER AND METHOD FOR THE PRODUCTION THEREOF

(54) Bezeichnung: WÄRMEÜBERTRAGER SOWIE VERFAHREN ZU DESSEN HERSTELLUNG



Platten miteinander verbunden. Dabei sind die Platten so ausgestaltet, dass die sich zwischen den Platten ausbildende Strömung von erstem bzw. zweitem

(57) Abstract: The invention relates to a heat exchanger which is especially used as an oil cooler in vehicles, and a method for the production thereof. A heat exchanger which is especially used as an oil cooler in the motor vehicle industry consists of interconnected plates. Outwardly closed cavities are embodied between the plates. Said cavities are alternately supplied with a first or second medium by means of respectively at least one supply line and one discharge line, and a corresponding medium flows through them. The plates are profiled in such a way that contact points are created between the respective profiles of the plate, and said plates are interconnected in the region of said contact points. The plates are designed such that the current from the first or second medium forming between the plates, from the corresponding supply line to the corresponding discharge line, does not follow a linear path.

(57) Zusammenfassung: Die vorliegende Erfindung betrifft einen Wärmeübertrager, wie er insbesondere bei Fahrzeugen als Ölkühler und Verwendung findet sowie eine Verfahren zur dessen Herstellung. Einen Wärmeübertrager, wie er insbesondere als Ölkühler im Bereich von Kraftfahrzeugen Verwendung findet, wird aus miteinander verbundenen Platten gebildet. Zwischen den Platten sind nach außen hin abgeschlossene Hohlräume ausgebildet. Die Hohlräume sind dabei alternierend über jeweils zumindest eine Zu- und Abflussleitungen mit erstem bzw. zweitem Medium versorgt und werden auch von dem entsprechenden Medium durchströmt. Dabei sind die Platten derart profiliert, dass zwischen den jeweiligen Profilen der Platten Berührungsstellen auftreten. Im Bereich dieser Berührungsstellen sind die

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